

Injury-related Outpatient Observation Stays

2011*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- inflicted	Assault					
Cut/pierce	115	95	61	0	0	271	2.3	4.1
Drowning/submersion	10	0	0	<7		11	0.1	0.2
Fall	4,152	0	<7	<7		4,159	35.8	63.1
Fire/burn	78	<7	0	0		84	0.7	1.3
<i>Fire/flame</i>	39	<7	0	0		43	0.4	0.7
<i>Hot object/substance</i>	39	<7	0	0		41	0.4	0.6
Firearm	<7	0	28	<7	<7	40	0.3	0.6
Machinery	31					31	0.3	0.5
Natural/Environmental	239	0		5		244	2.1	3.7
<i>Dog bites</i>	29	0		0		29	0.2	0.4
<i>Other bites & stings</i>	148	0		0		148	1.3	2.2
<i>All other (e.g. extreme cold)</i>	62	0		5		67	0.6	1.0
Overexertion	344					344	3.0	5.2
Poisoning	496	318	0	158	0	972	8.4	14.8
Struck by, against	359		171		<7	531	4.6	8.1
Suffocation	35	<7	<7	0		45	0.4	0.7
Transport-related Injuries	928	0	0	<7		931	8.0	14.1
<i>Motor vehicle traffic-related</i>	692	0	0	<7		695	6.0	10.6
<i>Occupant</i>	463					463	4.0	7.0
<i>Motorcyclist</i>	67					67	0.6	1.0
<i>Pedal cyclist</i>	21					21	0.2	0.3
<i>Pedestrian</i>	102					102	0.9	1.5
<i>Other person</i>	<7					<7	0.0	--
<i>Unspecified</i>	35					35	0.3	0.5
<i>Pedal cyclist, other</i>	118					118	1.0	1.8
<i>Pedestrian, other</i>	<7					<7	0.0	--
<i>Transportation, other</i>	113					113	1.0	1.7
Other-specified & classifiable	405	<7	56	0	0	462	4.0	7.0
<i>Human bites</i>	<7		<7			11	0.1	0.2
<i>Non-powder gun (BB, pellet)</i>	1	0	0	0	0	<7	0.0	--
<i>Other specified & classifiable</i>	398	<7	51	0	0	450	3.9	6.8
Other specified, not classifiable	148	19	68	11	0	246	2.1	3.7
Unspecified	590	<7	52	<7	0	647	5.6	9.8
Adverse effects ³	--	--	--	--	--	102	0.9	1.5
Cause and Intent are not provided	--	--	--	--	--	3,163	27.2	48.0
TOTALS⁴	7,935	449	443	189	<7	12,283	105.6	186.5
RATE BY INTENT/per 100,000	120.5	6.8	6.7	2.9	--			

Source: Massachusetts Outpatient Observation Stay Database, Center for Health Information and Analysis (CHIA)

*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2010 - September 30, 2011 and will be different than numbers generated through the Department's query based system MassCHIP.

¹ Legal Intervention includes injuries resulting from police actions and operations of war.

² Counts less than 7 are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

⁴ Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2011 population estimates by the US Census Bureau. Estimated 2011 Massachusetts population is 6,587,536. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, July 2013.